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boats and a motor boat of eighteen tons, in which excursions may be made as far as the English coast.

The number of workers in attendance at the station, which in former years has varied between thirty and forty, has doubled, and it has been found necessary to make considerable enlargements in order to accommodate all those who request the hospitality of the station.

The aquarium and the old work-rooms have been pulled down and reconstructed on better plans, and 24 new rooms have been added, all lighted by large windows and supplied with all the scientific equipment which modern technique demands. These rooms are intended as private laboratories and are placed at the disposal of students from abroad at an annual rental of 1,500 frs., payable to the faculty of sciences of the University of Paris. This charge is notably less than that made by the Zoological Station at Naples. It must be understood, however, that the Roscoff Station makes no pretensions of duplicating that at Naples. Situated as it is on the shore of a tidal sea, whose fauna is quite different from that of the Mediterranean, it is, on the contrary, a natural complement to the more southern station.

THE BOGOSLOF ISLANDS

THE following notes have been received from the North American Commercial Company, of San Francisco, under date of June 30, 1908:

Our Dutch Harbor log contains the following: "Wednesday, June 17th, 1908: The *Rush* passed here for Unalaska at three P.M. from the Seal Islands. Captain Munger returned on the *Rush*. He went up to the islands on the *McCullock*. On the way down the *Rush* had intended doing a little surveying around Bogoslov, but the navigating officer could not find the islands." The company's letter of the 17th instant from St. Paul Island says: "The *McCullock*, returning from Bogoslov, reports the disappearance of McCullock and Perry peaks. A reef adjoining Castle Rock now forms a small bay. We are not in possession of all the facts."

It will be remembered that the Bogoslofs are a group of three small volcanic islands in the southern part of Bering Sea and thirty-seven miles northwest of the island of Unalaska. One of these islands, Castle Rock, has been known since 1796, Fire Island has

been known since 1883, while the third one, Perry Island, rose from the sea about the time of the San Francisco earthquake in 1906.

There is a brief account and photographs of these islands published by Dr. Jordan and Mr. G. A. Clark in the *Popular Science Monthly* for December, 1906, pp. 481-489.

J. C. BRANNER

STANFORD UNIVERSITY, CAL.,
September 17, 1908

SCIENTIFIC NOTES AND NEWS

THE Academy of Sciences at Turin has awarded its Riberi prize of the value of \$4,000 to Professor Bosio, of Turin, for his discoveries in relation to the biological reactions to arsenic, tellurium and selenium.

SIR JAMES DEWAR, Fullerian professor of chemistry at the Royal Institution, London, and Professor O. D. Chvolson, professor of mathematical physics at St. Petersburg, have been elected foreign members of the Belgian Academy of Sciences.

MR. WILBUR WRIGHT, as has been fully reported in the daily press, has made with his aeroplane at Le Mans a flight lasting one hour, thirty-one minutes and thirty-five seconds and covering 66.6 kilometers. He has also made a flight with a passenger lasting 55 minutes and 30 seconds and covering 58 kilometers.

DR. LUTHUR H. GULICK has resigned the directorship of physical training in the New York public schools to become secretary of the Physical Training Department of the National Young Men's Christian Association.

DR. S. TSCHERNY, of Kiev, has been appointed director of the university observatory in Warsaw.

MR. ROBERT NELSON has been appointed to the newly created post of electrical inspector of mines in Great Britain.

PROFESSOR L. H. BAILEY has been given leave of absence from the directorship of the College of Agriculture of Cornell University to devote his time to the chairmanship of the commission appointed by President Roosevelt to investigate the conditions of rural life. He expects to be at Ithaca during the present month and in Washington during November

and December. The other members of the commission are: Henry Wallace, of *Wallace's Farmer*, Des Moines, Ia.; President Kenyon L. Butterfield, of the Massachusetts Agricultural College; Gifford Pinchot, chief of the Forest Service, and Walter H. Page, editor of the *World's Work*.

DR. N. L. BRITTON, director-in-chief of the New York Botanical Garden, and Mrs. Britton have returned from a fourth trip of botanical exploration of the island of Jamaica.

PROFESSOR H. E. CRAMPTON has returned to Columbia University from zoological explorations in the Society Islands.

DR. GEORGE N. STEWART, professor of experimental medicine in Western Reserve University, who has been abroad on leave of absence for the past year, has returned.

PROFESSOR J. H. COMSTOCK has returned to Cornell University after a year abroad.

DR. WILLIAM OSLER has received leave of absence from Oxford University for one year, which he will spend on the continent.

PROFESSOR HENRY A. PERKINS, of Trinity College, will spend the coming year in physical research at the University of Paris.

DR. LYMAN B. HALL, professor of chemistry in Haverford College, has been given leave of absence for the present academic year.

THE expedition under Professor Baron Gerard de Geer, of Stockholm University, which has been exploring the Spitsbergen group of islands, has returned.

PROFESSOR EDWARD L. NICHOLS, head of the department of physics of Cornell University, will represent the university at the inauguration of C. A. Duniway as president of the University of Montana.

PROFESSOR GEORGE TRUMBULL LADD is now giving a course of fifteen lectures upon certain psychological aspects of education at the College for Women of Western Reserve University.

PROFESSOR CHARLES BASKERVILLE began on October 3 a series of six lectures on the chemistry of existence, to be given at the American Museum of Natural History on successive Saturday evenings.

THE Rev. Edmund Ledger, M.A., has resigned the Gresham lectureship in astronomy in Gresham College, London, which he has held since 1875.

THERE was quoted in the last issue of SCIENCE an editorial article from the New York *Evening Post* discussing academic freedom in America, which was based on the alleged call of Professor George A. Coe to the Union Theological Seminary. This article, it appears, was incorrect, both in regard to Professor Coe's call to the seminary and in regard to the alleged objections to his views at Northwestern University.

THE Royal Society of Victoria is collecting a fund to establish a medal in honor of the late Dr. A. W. Howitt, to be awarded for work in Australian natural science.

DR. HOMER TAYLOR FULLER, president of the Worcester Polytechnic Institute from 1882 to 1894, member of the Geological Society of America and fellow of the American Association for the Advancement of Science, has died at the age of seventy years.

PROFESSOR ERNEST F. FENELLOSA, curator of the department of oriental art in the Boston Museum of Fine Arts, at one time professor of philosophy in the University of Tokyo, and an authority on oriental archeology, art and philosophy, has died in London at the age of fifty-five years.

THE deaths are also announced of Dr. Theodor Peters, director of the Society of German Engineers, and of Mr. George Nicholson, formerly curator of the Royal Gardens, Kew.

THERE will be a New York State Civil Service Examination to fill the position of associate in clinical pathology in the Pathological Institute at a salary of \$2,000; of director's assistant in the State Library at a salary of \$2,100, and of junior statistician for the Public Service Commission at a salary of from \$1,200 to \$1,500.

DIRECTOR GEORGE OTIS SMITH, of the U. S. Geological Survey, has invited officers of the leading railroads of the country to a conference on the amount of water flowing in the rivers of the country under certain conditions and in different periods of the year. The

National Conservation Commission has been advised of the proposed plan and whatever results come from it will undoubtedly be considered by the commission at its joint meeting with the governors of the states, or their representatives, to be held in Washington next December.

AN Australian Institute of Tropical Medicine has been established at Townsville, North Queensland. It receives subsidies of £450 from the commonwealth government; £250 from the Queensland government, and £400 from the British Colonial Office. The nomination of the first director has been delegated to the Royal Society and to the London and Liverpool Schools of Tropical Medicine.

THE Virginia Geological Survey, recently established by the General Assembly of Virginia, with headquarters at the University of Virginia, is under the direction of a commission composed of Governor Swanson (chairman), President Alderman, of the University of Virginia; President Barringer, of the Virginia Polytechnic Institute; Superintendent Nichols, of the Virginia Military Institute, and Hon. A. M. Bowman, of Salem, Va. At a recent meeting of the commission Dr. Thomas L. Watson, professor of economic geology in the University of Virginia, was elected director of the survey. Dr. J. S. Grasty, of the Maryland Geological Survey, was appointed assistant geologist, and Mr. Wm. M. Thornton, Jr., of the University of Virginia, chemist. Work is in progress on the geology of the coastal plain region, including the underground water resources; cement and cement materials; topography and geology of the Virginia copper district; geology of the rutile deposits; and building and ornamental stones. The studies of the coastal plain geology and topographic mapping of the Virginia district are in cooperation with the United States Geological Survey.

UNIVERSITY AND EDUCATIONAL NEWS

MR. and MRS. E. W. CLARK, of Philadelphia, have given \$10,000 to Harvard University for the establishment of two freshman scholarships.

COLUMBIA UNIVERSITY has received \$10,000 from Mr. and Mrs. Henry F. Shoemaker, the income to be used in aiding poor students.

AMONG the alumni of Haverford College a fund is being raised for a science hall.

WITH the opening of the college year on September 24, the University of Wisconsin College of Agriculture inaugurated a new course known as the middle course, which may be completed in two full years. This course is designed to meet the needs of those students who have had a high school training and are prepared for university work, but can not spend more than two years at the university. The studies include practically all the work of the first two years of the long, or four years' course, with the exception that foreign languages and mathematics are replaced by more practical subjects. The aim is to give the students as thorough training in the sciences and technical agriculture as is possible in two years time.

THE Rev. W. W. Guth, A.B. (Stanford), S.T.D. (Boston), Ph.D. (Halle), pastor of Epworth Methodist Episcopal Church, Cambridge, Mass., has accepted the call of the corporation of the University of the Pacific to the presidency of that institution.

PROFESSOR H. WADE HIBBARD, head of the department of railway mechanical engineering at Cornell University for the last ten years, has been appointed director of the college of mechanical engineering at the University of Missouri. He will take up his new duties the first of the new year.

DR. HOWARD S. REED, expert in soil fertility in the Bureau of Soils of the United States Department of Agriculture, has been elected professor of plant pathology in the Virginia Polytechnic Institute, and plant pathologist in the Virginia Agricultural Experiment Station at Blacksburg, Va. He entered upon his new duties at the opening of the academic year.

AT Western Reserve University, Mr. Carl B. James has been promoted to be assistant professor of biology in Adelbert College. In the Medical School, Dr. Maulsby W. Blackman, instructor in histology and embryology